

ABSTRAK

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Minuman fungsional disukai semua kalangan dan berpotensi dalam upaya peningkatan kesehatan tubuh. Minuman *ready to drink* (RTD) adalah sebuah jenis minuman yang dijual dalam bentuk kemasan khusus sehingga dapat langsung dikonsumsi serta memudahkan konsumen dalam mengonsumsinya. Penelitian ini bertujuan untuk mengetahui perbedaan karakteristik organoleptik, kandungan aktivitas antioksidan produk, serta penerimaan masyarakat terhadap produk minuman fungsional teh *ready to drink*. Produk ini diformulasikan ke dalam 3 formula, Formula 1 (daun teh hitam 3,75 gram, daun salam 1,25 gram, gula stevia 7 gram, dan air 500 mL), Formula 2 (daun teh hitam 2,5 gram, daun salam 2,5 gram, gula stevia 7 gram, dan air 500 mL), dan Formula 3 (daun teh hitam 1,25 gram, daun salam 3,75 gram, gula stevia 7 gram, dan air 500 mL). Penelitian ini dilakukan dengan menggunakan desain eksperimental. Hasil analisis uji statistik pada indikator kejernihan dan warna menunjukkan ada perbedaan Formula 1 dengan Formula 3 dan Formula 2 dengan Formula 3 dari hasil uji statistik didapatkan nilai $p < 0,05$. Uji aktivitas antioksidan paling tinggi yaitu Formula 2 sebesar 633,36 ppm. Daya terima pada produk minuman fungsional teh *ready to drink* panelis paling banyak menyukai Formula 2. Kesimpulannya adalah minuman fungsional teh dapat diterima oleh masyarakat.

Kata Kunci : aktivitas antioksidan, daun salam, imunitas, teh hitam.

ABSTRACT

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Functional drinks are loved by all people to prevent a disease. Ready to drink (RTD) is a kind of the beverage that are sold in the special package so it can be easily consumed to the consumers. The purpose of this research is to determine the differences of the organoleptic characteristics, the antioxidant activity, and public acceptance of functional drink tea products. This products is formulated into 3 formulas, The first formula contains (3,75 grams of black tea leaves, 1,25 gram of bay leaves, 7 grams of stevia sugar, and 500 mL of water), the second formula contains (2,5 grams of black tea leaves, 2,5 grams of bay leaves, 7 grams of stevia sugar, and 500 mL of water), and the third formula contains (1,25 grams of black tea leaves, 3,75 grams of bay leaves, 7 grams of stevia sugar, and 500 mL of water). This research using an experimental design. The results of statistical test analysis shows that there is a difference between the first formula with the third formula and the second formula with the third formula in clarity and color indicators. From the statistical test results, the value of $p < 0.05$ is obtained. The antioxidant activity tests shows that Formula 2 have the highest result 633,36 ppm. The panelists mostly chose Formula 2 for the public acceptance test product. The conclusion is that this functional drink tea can be accepted by the community.

Keywords : *the antioxidant activity, bay leaves, imunity, black tea.*